

The background of the slide is a faded, artistic rendering of soldiers in combat. In the foreground, a soldier's helmet and face are visible, looking forward. Behind them, other soldiers are partially visible, some holding rifles. The overall tone is muted and historical, suggesting a military or defense context.

A Service Perspective on Jointness and Interoperability

SAE Panel 2004 DAU Alumni Association Symposium

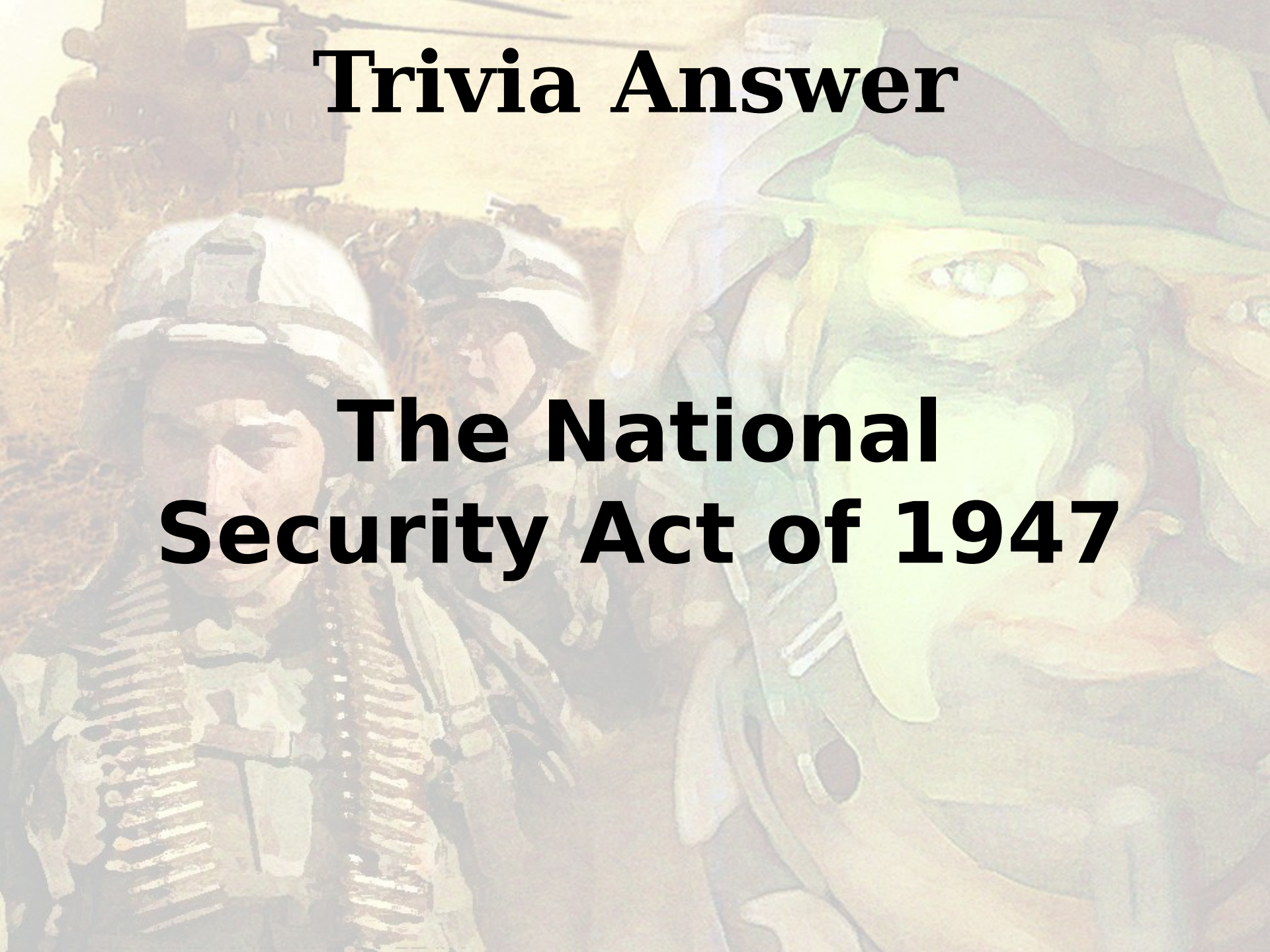
**The Honorable Claude M.
Bolton, Jr.**

**Assistant Secretary of the Army
(Acquisition, Logistics and
Technology) and**

Army Acquisition Executive

Trivia

**What Legislative Act
Formally Established
The Joint Chiefs of Staff?**



Trivia Answer

The National Security Act of 1947

Joint Lightweight 155mm Howitzer M777 & M777A1

M777 R&D USMC Funded

- 10,000 Lbs. or Less with TAD - Deployable and Mobile*
- Emplace in 3 Min*
- Displace in 2 -3 Min*
- Max Range 30km with Rocket Assist
- Reliability 800 to 900 Rds Between Systems Abort

• Key Performance Parameters

M777A1 Towed Artillery Digitization (TAD) R&D Army Funded

- Digital Indirect Fire Control
- Inertial Navigation with GPS Backup
- 1-Mil Pointing Accuracy

● Single Joint PM (USMC O6)

- Common Requirements
- JPMO Staffed with USMC & Army Employees
- JPM Under Army PEO GCS

● International Participation

- R&D MOA with Italy and UK
- Production MOA with UK



**Currently Producing First 94 LRIP M777A1
for USMC Joint Production
of M777A1 Begins in FY05**

Joint Program Executive Office for Chemical and Biological Defense



**Joint Chem/ Bio
Detection and
Identification Systems**



**Joint Decontamination
Systems**



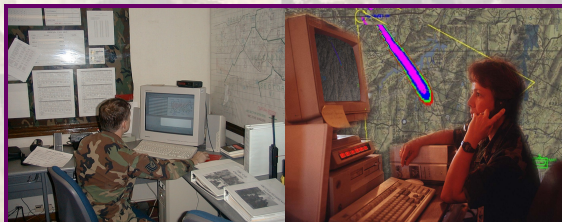
**Joint Collective Protection
Systems**



**Joint Medical Systems
Vaccines, Devices,
Pharmaceuticals**



**Joint Individual
Protection Masks,
Suits, Gloves, Boots**



**Joint Information
Systems**



**Joint Installation and Force
Protection**

PM Soldier Equipment Joint Programs

DOD

Joint Firefighter's Integrated Response Ensemble (JFIRE)/FIS-C
Joint Service Lightweight Integrated Suite Technology (JSLIST)
Joint Protective Aircrew Ensemble (JPACE)



Joint Interest

Thermal Weapon Sight
PVS-7 Night Optical Device
PVS-14 Night Optical Device
Sniper Night Sight
Viper Laser Target Locator
Mark VII Laser target Locator



Interceptor
Modular Lightweight Load-carrying Equipment
Modular Sleeping Bag System
Improved Rainsuit
Light Weight Helmet
Anti-Microbial Socks/Improved Combat Sock
Improved Combat Shelter/Combat Tent
Improved Engineer Glove/Protective Glove System
Cold Weather Canteen/Improved Canteen
PAQ 4 IR Laser Pointer
PEQ 2 IR Laser Pointer/Illuminator



Survival Egress Air (SEA) MK2 Device
Low Profile Flotation Collar
Light-weight Video Reconnaissance System



PM Soldier Weapons Joint Programs

M203 Grenade Launcher
M9 Pistol
M240 Family (7.62mm Machine Gun)
M249 (5.56mm Machine Gun)
Mk19 40mm Grenade Machine Gun
M2 .50 cal Machine Gun



M4 Carbine
M16A2 Rifle
M203A2 Grenade Launcher
M145 Machine Gun Optic



M4A1 Carbine



M16A3 Rifle Carbine



M16A4 Rifle Carbine

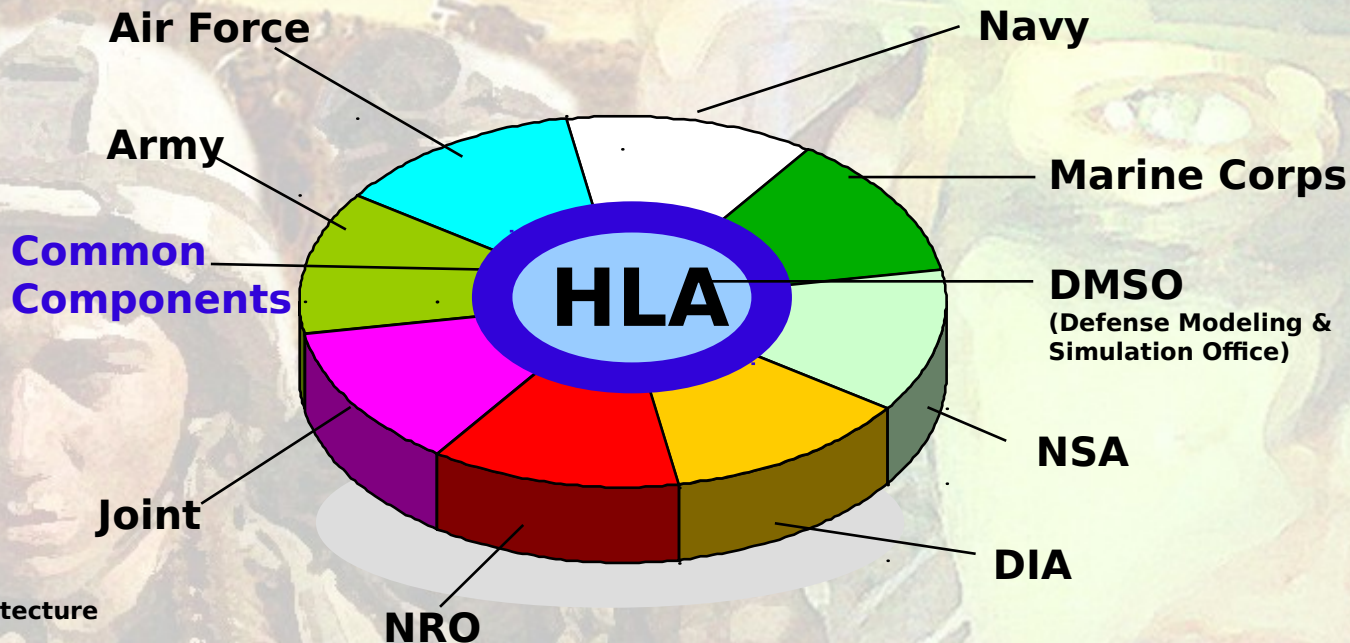


Air Warrior HGU-56/P Helmet



JSIMS Alliance

A Joint, interoperable simulation



HLA-High Level Architecture

A collaborative effort of nine Alliance partners

- DoD's "flagship" modeling and simulation program for the warfighters
 - Replace outdated Joint and Service legacy systems
 - Real-world C4I systems ... using common components
 - Distributed training ... mission planning ... mission rehearsal

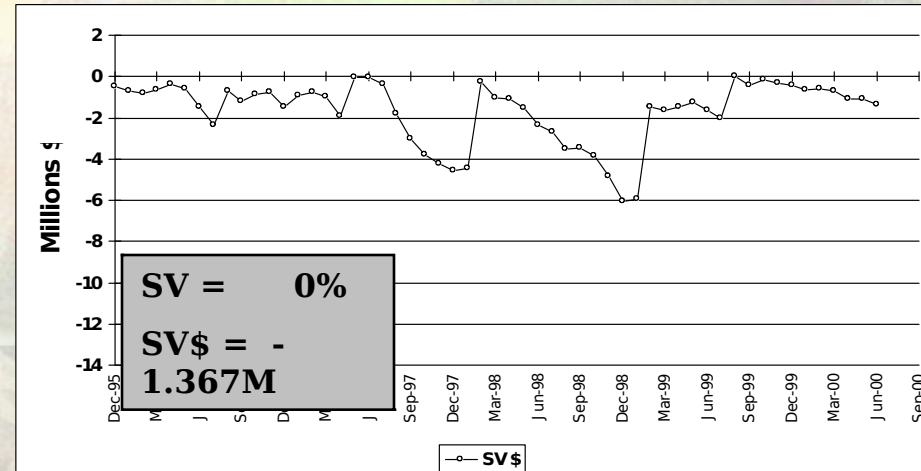
ATRCM/Common Missile Warning System (ACAT IC--D)

Joint Program (Army Lead)

Program Parameters (rebaselined Sep 99)

Schedule Variance

	Threshold	Actual	Variance
KPPs			
Prob of Declar*	100%	106%	+6%
False Alarm*	100%	80%	-20%
Cost			
Unit cost (AUPC)	\$200K	\$367K	-\$167K (-84%)
Cost (RDT&E)	\$594M	\$631M	-\$37M (-6%)
Schedule			
DT Start/End	Jan 01/Feb 01	Nov 00/Dec 00	-2 mo/-2 mo
OT Start/End	May 02/Jul 02	Mar 02/May 02	-2 mo/-2 mo
MS III (RW)	Sep 03	Jul 03	-2 mo



* KPPs normalized to 100%

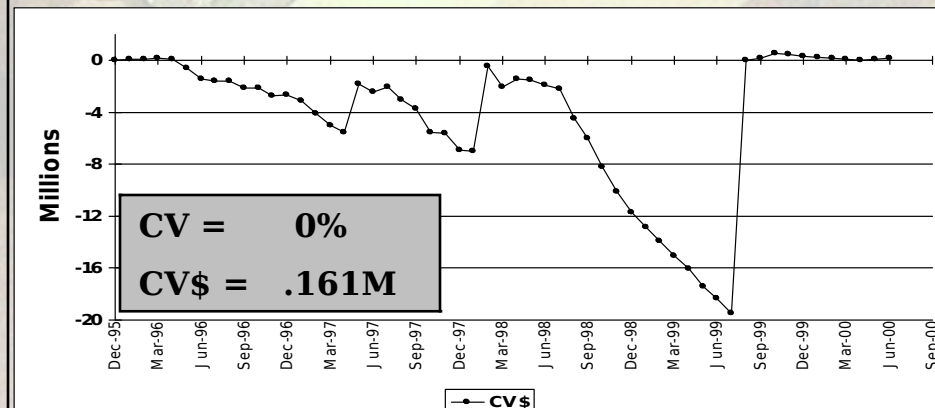
Key Issues/Risks

Awaiting official program termination position by USD(AT&L)

- Memorandum from OSD currently being drafted to SAF/AQ acknowledging AF concerns but supporting Army position--will require AF funding support for CMWS EMD from FY01-03 in the amounts requested by Army
- FY 02 AF POM position reflects zero-funding for CMWS
- Appropriations Conference Committee has zeroed AF CMWS funding
- Army revising schedule to reflect Army-only program
- APB and Program Office Estimate to be revised upon official OSD decision
- Develop MOU with Army to ensure smooth transition to Army-only program

CMWS System Performance Test completed Jul 00--no showstoppers

Cost Variance



Joint Tactical Radio System

Current Systems
(25-30 Families)
(750, 000 Radios)

Navigation



AN/PSQ-6A EPLRS

Positioning



AN/ARC-210

Location



AN/WCS-3 UHF SATCOM/LOS

Identification



AN/ARC-201A SINCGARS

Air to Ground

Air to Air



ANPRC-119 SINCGARS

Ground to Ground

SATCOM



AN/PSC-5

Common Open Standards Architecture & Technology Base

Joint Solution
(1 Family)

OPERATIONAL

Space

Airborne

**Maritime/
Fixed Station**

Ground

Legacy Waveforms
Commercial Waveforms
New Military Waveforms

replaces

TRS - A Family of Common Radios and Waveforms Built Around a Standard Open Architecture

JSIAP Program Success Probability Summary

